

WE CLAIM:

1. A table saw comprising:

a mounting frame having first and second side frame portions spaced apart from each other in a longitudinal direction to define an accommodation space therebetween;

a worktable mounted on one of said first and second side frame portions to shield said accommodation space;

a support seat which is received in said accommodation space, which extends in the longitudinal direction, and which terminates at first and second support ends that are respectively mounted on said first and second side frame portions, said support seat having first and second major surfaces opposite to each other in a transverse direction relative to the longitudinal direction;

a motor disposed to be swingable relative to said support seat about a swing axis extending in the transverse direction, and having an output shaft disposed to deliver a driving force and extending parallel to the swing axis;

a blade shaft defining a blade axis parallel to the swing axis, and disposed to be turnable relative to said support seat about a first axis parallel to the blade axis, said blade shaft having a driven end coupled to said output shaft so as to be driven by the driving force to revolve about the blade axis, and a mount end opposite to said driven end along the blade axis, said driven and mount ends being disposed proximate to said first and second major surfaces, respectively;

a saw blade mounted for rotation with said mount end of said blade shaft;

5 a shaving collecting member disposed in the vicinity of said saw blade, and cooperating with said second major surface to define a shaving collecting chamber for collecting wood shavings, said shaving collecting chamber having an outlet port;

10 a casing having a proximate wall provided with an inlet port which is communicated with said output port, a distal wall spaced apart from said proximate wall along a second axis parallel to the first axis to define a shaving accommodation chamber therebetween, and a discharge port disposed between said proximate and distal walls and extending radial to the second axis;

15 a driven shaft rotatably mounted on said distal wall, extending along the second axis, and having an inner shaft end which extends into said shaving accommodating chamber, and an outer shaft end which extends from said inner shaft end and outwardly of said distal wall;

20 a drive transmission unit including a rotating member which is rotatable relative to said support seat about the first axis and which is disposed to couple said blade shaft to said outer shaft end of said driven shaft so as to transmit revolving force of said blade shaft to said outer shaft end
25 for rotating said driven shaft about the second axis when said motor is in operation; and

an impeller received in said shaving accommodating chamber,

and driven by said inner shaft end of said driven shaft to rotate about the second axis so as to draw wood shavings from said shaving collecting member into said shaving accommodating chamber and out of said discharge port.

5 2. The table saw of Claim 1, further comprising:

 a spindle mounted on and rotatable relative to said support seat about the first axis; and

 a coupler disposed to couple said spindle to said blade shaft such that when said spindle revolves about the first
10 axis from a starting point to an end point, said blade shaft is turned about the first axis from a first angular position to a second angular position;

 said rotating member being mounted coaxially on and being rotatable relative to said spindle about the first axis.

15 3. The table saw of Claim 2, wherein said drive transmission unit further includes

 a first pulley mounted on and rotatable with said driven end of said blade shaft,

 a first belt trained on said first pulley and said rotating
20 member so as to permit rotation of said rotating member when said blade shaft rotates,

 a second pulley mounted on and rotatable with said outer shaft end of said driven shaft, and

 a second belt trained on said rotating member and said second
25 pulley so as to permit rotation of said driven shaft when said rotating member rotates.

4. The table saw of Claim 3, further comprising a connecting

tube defining a duct therethrough, and interconnecting said outlet port of said shaving collecting chamber and said inlet port of said proximate wall so as to communicate said shaving collecting chamber with said shaving accommodation chamber.

- 5 5. The table saw of Claim 2, wherein said first and second support ends of said support seat are journalled on said first and second side frame portions, respectively, and are slidable relative thereto along a sliding path which extends in the transverse direction and which is configured such that
- 10 displacement of said support seat relative to said mounting frame along the sliding path changes an angular position of said saw blade relative to said worktable.